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## SOCIETIES AND ACADEMIES.

## MICHIGAN SCIENCES AND ACADEMIES.

AFTER some discussion and correspondence, a preliminary meeting was called at the State University in Ann Arbor, last June, and an organization effected. The following officers were elected to serve for the first meeting which was held in connection with that of the State Teachers' Association, December 26-27, in the State Capitol at Lansing :

*President*—W. J. Beal.

*Vice-President*—J. B. Steere.

*Secretary and Treasurer*—F. C. Newcombe.

*Additional Members of the Executive Committee*—W. B. Barrows, I. C. Russell.

At the close of the meeting very nearly an even hundred members were enrolled.

A very complete constitution and by-laws were adopted. One of the main features of the Society is to proceed systematically with a State biological survey. The State will be asked to publish the transactions, and to furnish some aid toward conducting field work.

Three vice-presidents were elected who are to act as chairmen of committees on Botany, Zoölogy and Sanitary Science. Doubtless other vice-presidents for other work may be elected at the next annual meeting.

An informal field meeting will be held in May or June.

Those in attendance were much pleased with the first program as carried out in Lansing, and are showing much enthusiasm regarding future work. The objects of the Society, as now stated in the constitution, are the investigations in Agriculture, Botany, Zoölogy, Sanitary Science, Archaeology and kindred subjects, but may include other departments when workers are ready to enter the field.

The present officers are:

*President*—Bryant Walker.

*Vice-President*—Frederick C. Newcombe.

*Vice-President*—Jacob E. Reighard.

*Vice-President*—Henry B. Baker.

*Secretary*—G. C. Davis.

*Treasurer*—E. A. Strong.

The program was as follows :

WEDNESDAY, 1:30 P. M.

1. *Call to order and introductory remarks by the President.*
2. *Report of the Executive Committee.*
3. *Determination of the hour for Election of Officers, and for Other Business.*

## PRESENTATION OF PAPERS.

1. *The Mammals of Michigan*: DR. J. B. STEERE.
2. *The Birds of Michigan*: PROF. D. C. WORCESTER.
3. *Additions to the Flora of Michigan*: MR. C. F. WHEELER.
4. *The Cryptogamic Flora of Michigan*: MR. L. N. JOHNSON.
5. *Work of the Michigan Fish Commission*: DR. C. A. KOFOID and PROF. H. B. WARD.
6. *The Michigan Lepidoptera*: DR. R. H. WOLCOTT.

WEDNESDAY, 7:30 P. M.

7. *Our Society and a State Survey*: PROF. W. J. BEAL.
8. *Practical Benefits of Bacteriology*: PROF. F. G. NOVY.
9. *Simian Characters of the Human Skeleton*: PROF. W. H. SHERZER.
10. *Date and Development of Michigan Archaeology*: MR. HARLAN I. SMITH.
11. *Some Notes on the Michigan Coat of Arms*: PROF. W. J. BEAL.
12. *Teaching Botany in Winter*: PROF. W. J. BEAL.

THURSDAY, 9:00 A. M.

13. *Flora of Michigan Lakes*: PROF. CHAS. A. DAVIS.
14. *Michigan Lepidoptera*: DR. R. H. WOLCOTT.
15. *Review of our Present Knowledge of the*

- Molluscan Fauna of Michigan*: MR. BRYANT WALKER.
16. *Distoma Patalosum*; A Parasite of the Crayfish: MR. C. H. LANDER.
17. *Bacteria and the Dairy*: PROF. C. D. SMITH.
18. *Tendencies in Michigan Horticulture*: MR. A. A. CROZIER.
19. *Futile Experiments for the Improvement of Agriculture*: DR. MANLY MILES.

THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA.

PROFESSOR DANIEL G. BRINTON is giving a course of six lectures, entitled *A Survey of the Science of Man*, on Mondays, January 28, February 4, 11, 18, 25, and March 4, 1895, in the Lecture Hall of the Academy.

The lectures are:

1. *The Physical Faculties of Man.*
2. *The Mental Faculties of Man.*
3. *The Social Faculties of Man*
4. *The Artistic Faculties of Man*
5. *The Religious Faculties of Man.*
6. *The Progress of the Race.*

GEOLOGICAL SOCIETY OF WASHINGTON.

FEB. 13.

*Discussion of Field Methods*: (1) *How do you determine the Thickness of Strata?* Symposium opened by MR. G. K. GILBERT. General discussion is invited.

*Rapid Section Work in Horizontal Rocks*: MR. M. R. CAMPBELL.

*Newly Discovered Dyke near Syracuse, N. Y.*: MESSRS. N. H. DARTON AND J. F. KEMP. WHITMAN CROSS, *Secretary*.

PHILOSOPHICAL SOCIETY OF WASHINGTON.

FEB. 16.

*Biographical Sketch of James Clarke Welling*: MR. J. HOWARD GORE.

*Biographical Sketch of Robert Stanton Avery*: MR. L. D. SHIDY.

*Biographical Sketch of Garrick Mallery*: MR. ROBERT FLETCHER.

*The Central American Rainfall*: MR. MARK W. HARRINGTON.

WILLIAM C. WINLOCK, *Secretary*.

FORTNIGHTLY SCIENTIFIC CLUB IN THE UNIVERSITY OF MINNESOTA.

Jan. 19, 1895.

*The Vivisection of Plants*: MR. D. T. MACDOUGAL.

*Is Man Woman's Equal?* The Zoölogist's answer and some of its consequences: PROFESSOR H. F. NACHTRIEB.

Feb. 2, 1895.

*The Departure of the Ice Sheet from Lake Superior and the more Eastern Laurentian Lakes*: MR. WARREN UPHAM.

*Some Things People Ought to Know About Micro-Organisms*: DR. CHAS. N. HEWETT.

Feb. 16, 1895.

*The Detection of Star Motions in the Line of Sight*: PROFESSOR J. F. DOWNEY.

*The Constitution of Matter*: DR. G. B. FRANKFORTER.

SCIENTIFIC JOURNALS.

THE AMERICAN NATURALIST, FEB.

*The Philosophy of Flower Seasons, and the Phenological Relations of the Entomophilous Flora and the Anthophilous Insect Fauna*: (Illustrated.) CHARLES ROBERTSON.

*Insanity in Royal Families; A Study in Heredity*: ALICE BODINGTON.

*The Significance of Anomalies*: THOMAS DWIGHT, M. D., LL. D.

*Editor's Table; Recent Literature; Recent Books and Pamphlets.*

*General Notes; Geography and Travels; Mineralogy; Petrography; Geology; Botany; Zoölogy; Entomology; Embryology; Archæology and Ethnology; Microscopy*: On a New Method of Entrapping, Killing, Embedding and Orienting Infusoria and other very small Objects for the Microtome. (Illustrated.)

*Proceedings of Scientific Societies; Scientific News.*